

Date: Sun, 31 Jan 93 20:29:22 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #145  
To: Info-Hams

Info-Hams Digest

Sun, 31 Jan 93

Volume 93 : Issue 145

## Today's Topics:

[ANS] Wilson T-1402SM

Any other W9RG DSP Filter users on the Net ?

Extended receive for an HTX-202? (2 msgs)

## Ham Radio Causes Cancer

## Ham Sandwich Causes Cancer

Heavy fist on 20 meters.

Icom, Kenwood, or Yaesu???

#### Kenwood TH-41AT PL Tone

just stop and smell the

are on No-Code -- Will this never cease

## Painting Aluminum

Painting Aluminum  
Screws vs. Zinc

## Real Names: A non-ham view

Real Halls: A Hall Hall View  
Real NoGodes

## Real Nodes in San Di-

Repeaters in San Diego area?

## Solar Panels: advice, sources

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>

Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>

Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: 31 Jan 93 20:03:56 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: [ANS] Wilson T-1402SM  
To: info-hams@ucsd.edu

>I am looking to buy crystals for a Wilson T-1402SM, and I want to know  
>if anyone can tell me the best place to purchase these?

>Thank You

>

>

I always believed that if you want quality and stable rocks go to Internaitional Crystal in Oklahoma City, OK.

Date: Mon, 1 Feb 1993 01:02:33 GMT

From: swrinde!zaphod.mps.ohio-state.edu!darwin.sura.net!convex!news.oc.com!csci-wiermac.etsu.edu!user@network.UCSD.EDU

Subject: Any other W9RG DSP Filter users on the Net ?

To: info-hams@ucsd.edu

Just a short note on the kit -

I've had one on order since early December - he said he's been totally swamped by the response to the article - far in excess of what he'd expected. He sent a card saying I could wait an estimated 8 to 12 weeks (might be wrong there - I don't have the card in front of me) or ask for a return on my check or UPGRADE to an improved model (for \$35) which allows more operating modes without having to pull the PROMS.

I've opted to upgrade and wait. He seems like a nice guy...

73s de WB5KXH - now in North Texas - VHF land!

===== insert usual disclaimers here =====

Bob Wier, East Texas State U., Commerce, Texas  
wier@merlin.etsu.edu (watch for address change)

Date: 31 Jan 1993 13:53:12 -0600

From: swrinde!cs.utexas.edu!not-for-mail@network.UCSD.EDU

Subject: Extended receive for an HTX-202?

To: info-hams@ucsd.edu

>

> Hello all,

>  
> Does anyone have an extended receive mod for a Realistic HTX-202?  
> Thanks.  
>  
> ======  
> | Mark E. Cornell, Ph.D. | Internet: cornell@astro.as.utexas.edu |

Well Dr. C, To the best of the net's knowledge this has been ruled out.  
In fact \*I\* know of \_no\_ mods of any kind for my trusty '202, range  
extension or otherwise!

That said, I am hoping that someone will prove me wrong.

I'm not sure I'd want to trade the HTX-202's selectivity and immunity to  
intermod for an ability to listen to out-of-band stuff anyway. That's  
what my scanners are for...

Paul... Oh Paul... what say you?

Peter Laws|GENIE:P.LAWS1| "Finally: one of our guys is |plaws@uafhp.uark.edu  
n5uwy@ka5bml.ar.usa.noam| driving the car"--Dennis Miller|plaws@uafsysb.bitnet

-----  
Date: 31 Jan 1993 14:58:20 -0600  
From: swrinde!cs.utexas.edu!not-for-mail@network.UCSD.EDU  
Subject: Extended receive for an HTX-202?  
To: info-hams@ucsd.edu

Forgot to add: there is a BOGUS modification in circulation. It comes  
around on Packet about once/six months. Shows up here occasionally, too.

Looking at the schematic, there are 14 unused pins on the CPU (of 64  
total) plus 2 others that tie directly to ground. Surely, someone with  
more money than me (and a tiny soldering iron) could get these to do  
something... (the number on the CPU in the schematic is \_HD4074808FS\_, if  
that means anything to you hardware hackers).

A more mundane question: I have an \*old\* Motorola (it's \_green\_!)  
speaker/mike. Does anyone have experience hooking such a beast to the  
'202? I have the wiring diagram from the manual, but have no idea as to  
whether the mike is "electret condenser" or "dynamic".

Peter Laws, N5UWY  
President,  
Amateur Radio Club,  
University of Arkansas (Fayetteville)

W5YM

Peter Laws|GENIE:P.LAWS1| "Finally: one of our guys is |plaws@uafhp.uark.edu  
n5uwy@ka5bml.ar.usa.noam| driving the car"--Dennis Miller|plaws@uafsysb.bitnet

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Date: Sun, 31 Jan 93 11:50:55 PST  
From: pacbell.com!pacbell!sactoh0!earldom!jre@network.UCSD.EDU  
Subject: Ham Radio Causes Cancer  
To: info-hams@ucsd.edu

> In article <1993Jan28.222743.5974@ke4zv.uucp> gary@ke4zv.UUCP (Gary Coffman)  
> >  
> >  
> >What we do \*know\* is that thermal effects at high power densities  
> are real, so we should avoid them.  
>  
> Besides the risk of the heating effects of high RF power, the only  
> other bad effect I have witnessed was in the early days of  
> magnetron manufacture.

On UHF only, I have noticed that if I transmit on my handheld on high-power for a few minutes, I get a headache shortly thereafter. The headache does not result if I use an external antenna. Strange.

Has anyone else had a similar experience?

-----  
(916) 729-6825                Jim Earl - KB6KCP                (916) 929-0300 x233  
(home)                        earldom!jre@csusac.ecs.csus.edu                (work)  
                              csusac!earldom!jre

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Date: 1 Feb 93 03:14:37 GMT  
From: swrinde!gatech!usenet.ins.cwru.edu!agate!spool.mu.edu!olivea!apple!  
rbn@network.UCSD.EDU  
Subject: Ham Sandwich Causes Cancer  
To: info-hams@ucsd.edu

...but only if you cook it with the high RF output of a cellular telephone modified for 900MHz use.

And, in a related story, there is a rumour the ARRL will soon be known as the Abundant Radiation Relay League.

What's next...the FCC becoming the Fried Cranium Commission?

-rbn

<Still an advocate of slow-scan cable television> :-(  
<And hey...who says channel 2 is the best thing on 6 meters?>

Date: Mon, 1 Feb 93 03:31:20 GMT  
From: usc!howland.reston.ans.net!spool.mu.edu!uwm.edu!linac!att!  
news.cs.indiana.edu!noose.ecn.purdue.edu!en.ecn.purdue.edu!n9ljx@network.UCSD.EDU  
Subject: Heavy fist on 20 meters.  
To: info-hams@ucsd.edu

In article <1993Jan30.162433.16510@ke4zv.uucp> gary@ke4zv.UUCP (Gary Coffman) writes:  
>In article <103360142@hpfcso.FC.HP.COM> wayne@hpfcso.FC.HP.COM (Wayne Covington) writes:  
>>  
>>Is there anyone here that thinks a gorilla or a chimp could learn CW? How  
>>about it, you animal experts?  
>  
>You might be able to force a chimp to learn Morris, but a gorrilla isn't  
>going to do much of anything he doesn't want to. Either animal should  
>have no trouble with CW since it's a simple motor skill well within their  
>capabilities, getting them to want to do it is an entirely different matter.  
>  
>Gary  
>--

Sort of like all the CW bashers on the net. "Yeah I could do it, but I don't wanna."

- - sas

--  
Scott Stembaugh - N9LJX internet: n9ljx@ecn.purdue.edu  
Operations Supervisor, ADPC phone: 317 494 7946  
Purdue University  
West Lafayette, IN 47907-1061

Date: 31 Jan 1993 15:06:19 -0600  
From: swrindel!cs.utexas.edu!not-for-mail@network.UCSD.EDU  
Subject: Icom, Kenwood, or Yaesu???  
To: info-hams@ucsd.edu

I am buying an entry level HF rig **\*this week\***.

All three companies have essentially equal entry-level rigs (IC725/728 - TS140 - FT747GX). They are all within ~\$100 of each other (!IC728). They all are small and portable. They all have what we need (for a "portable" station in V31).

If it was your ~\$800, what would you buy?

Peter Laws|GEnie:P.LAWS1| "Finally: one of our guys is |plaws@uafhp.uark.edu  
n5uwy@ka5bml.ar.usa.noam| driving the car"--Dennis Miller|plaws@uafsysb.bitnet

Date: Sun, 31 Jan 1993 23:06:07 GMT  
From: news.acns.nwu.edu!casbah.acns  
Subject: Kenwood TH-41AT PL Tone  
To: info-hams@ucsd.edu

I picked up a used TH 41at and don't have a manual to go with it. Is the PL tone standard or is it time to stick one of the Commication Specialist boards inside. How do you set PL tone freq (variable pot)?

73  
Jerry WB9MRI

Jerry S. Weiss      "If you can't stand the heat, stay out of the antimatter!"  
j-weiss@nwu.edu      Dept. Medicine, Northwestern Univ. Medical School

Date: 31 Jan 93 22:32:43 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Let's just stop and smell the coffee  
To: info-hams@ucsd.edu

I must say, I like the subject of this message!

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+-----+-----+
| Robert G. Schaffrath, N2JTX | Internet: rgs%wpmax2%gfimda@uunet.uu.net |
| Systems Engineer           | CompuServe: 70541,435 |
| Maxwell House Coffee Company | Phone:      914-335-2777 |
| General Foods USA          +-----+
| Kraft General Foods Corporation |       :) :) :) ) SMILE!! :) :) :) |
| Philip Morris Companies     | Everyone will wonder what you are up to!! |
+-----+-----+
```

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Date: 31 Jan 93 17:28:06 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: More on No-Code -- Will this never cease?  
To: info-hams@ucsd.edu

<Again in Info-Hams V93 #138 Bill Sohl (K2UNK) BELLCORE writes:>  
References <1993Jan26.104432.1@kean.ucs.mun.ca>,  
<1993Jan26.181953.25999@cbnewsm.cb.att.com>,  
<1993Jan28.235308.26147@odin.corp.sgi.com>  
Subject : Re: Real NoCodes\_, Enough is enough!

> I can not recall seeing anyone complain about the use of CW, the complaint  
> is...why learn it if you never use it.

A very good point. And, since the requirement applies ONLY to HF, (the \_ENTIRE\_ HF spectrum would fit nicely into a small \*portion\* of most of the bands above VHF) the arguement you make doesn't seem germaine: the CW proficiency requirement is an agreement the US Government made in a treaty, not a testing barrier. That so small a chunk of RF spectrum draws so much interest and heat from people who do not \*NEED\* CW to enjoy the 99% of the total Amateur Allocations they are able to use smells very much like the "Dog in the Manger" (who could not eat the hay, so prevented the horse from eating also)...

\*IF\* you want to play on HF, you must learn CW. Simple. Straight-forward, backed by law and treaty. Not a barrier to one who wants to learn or play. In fact, there are many people who will gladly HELP hams without Morse proficiency to gain CW ability. Stop whining about it and get off your butt and reach out if it means that much. If not, enjoy the 99% of the spectrum you can play in and forget the greener grass of HF...you probably wouldn't like the taste of it anyway...

> I just spent a month's free time listening to code practice sessions  
> to get to 13wpm and passed the general.

Congratulations. Though your investment in time indictaes you must have resisted the learning experience strongly, you must have wanted it pretty badly, and I salute you for the effort, Bill.

> with the proliferation of additional modes these days, the morse  
> requirement is disproportionately represented in the license testing  
> for US amateurs.

BZZZZZZZT! Wrong Answer!

Most of these "additional modes" are illegal on HF, and thus do not require CW for enjoying or pursuing them. Please do not use those kinds of arguements against CW requirements. It cheapens what might otherwise be a well-reasoned postulation.

And, Bill, thanks for sharing your opinion, and your recent success after the many years you have been licensed and inactive. Glad to have you back, active, and involved!

73

Date: 1 Feb 93 04:12:21 GMT

From: swrinde!zaphod.mps.ohio-state.edu!uwm.edu!spool.mu.edu!olivea!sgigate!odin!  
chuck.dallas.sgi.com!adams@network.UCSD.EDU

Subject: Painting Aluminum

To: info-hams@ucsd.edu

at the risk of getting cancer, i'm going to make an attempt at making bending aluminum to place some homebrew equipment in. i want it to look like Doug DeMaw did it. ;-) have you seen the cover of the QRP Handbook? neat looking stuff.....

question: didn't someone post a while back some tricks to painting aluminum?

another question: anyone doing black wrinkle finish, like on the brown brothers paddle?

i would like to be able to wander down to Home Depot for supplies and not do mail order, etc.

inquiring minds wanna know. email to yours truly, adams@sgi.com  
i'm sure the rest of the net doesn't want to get into paint sniffing  
and the evils therein. ;-)

73 de k5fo 25 states 2 watts 40 meters qrp in one week. who says qrp is difficult?

chuck dit dit CP-60

Date: 31 Jan 93 16:12:57 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: radio nuts vs Lan times  
To: info-hams@ucsd.edu

>Lan times has an article titled "Wireless option cures LAN Barrier"  
>in their Jan 25, 1993 issue. The talk about using wireless lan.  
>The articles remarks about "one ham radio nut" suggesting  
>that a LAN wireless link could be bounced off another build.

I saw that article and I was rather "amused" at there remark about Ham Radio operators. However, as the article pointed out, the "nut's" idea about microwave propagation did indeed work! Too bad they didn't follow up with the guy who had the idea.

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+-----+-----+
| Robert G. Schaffrath, N2JTX      | Internet: rgs%wpmax2%gfimda@uunet.uu.net |
| Systems Engineer                 | CompuServe: 70541,435                         |
| Maxwell House Coffee Company    | Phone:     914-335-2777                      |
| General Foods USA                +-----+
| Kraft General Foods Corporation |          :) :) :) ) SMILE!! :) :) :) |
| Philip Morris Companies         | Everyone will wonder what you are up to!! |
+-----+-----+
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Date: Sun, 31 Jan 1993 23:54:55 GMT  
From: usc!howland.reston.ans.net!spool.mu.edu!agate!linus!progress!  
damelio@network.UCSD.EDU  
Subject: Real Hams: A non ham view  
To: info-hams@ucsd.edu

I have been involved in business radio in one form or another for twenty years. I started by dispatching for local police and fire agencies and now sell equipment on the side. I have always considered HAM radio, but never seemed to have the time.

Recently a club I belong to came across the need for reliable VHF communications. The club provides community service and HAM radio seemed ideal. With the new tech entry class available I began investigating the possibilities of HAM radio providing our needs.

After listening to various bands and reading the, err..., comments, posted in rec.radio., I have decided to go with a private business band radio licence.

I really thought the HAM community was more intelligent, kind of a step above the rest. If I were you I would not WANT to be labeled a "Real Ham". I thought CB was bad. You can't even get along among YOURSELVES! All I can say is keep it up. The more you fellows do battle, the more likely these frequencies will be re-allocated to the

business bands. We would LOVE to have them.

I can hardly wait for you people to begin picking this article apart.

Steve D'Amelio  
No code, No Ham, No way!

---

Date: Mon, 1 Feb 1993 00:30:15 GMT  
From: swrinde!zaphod.mps.ohio-state.edu!howland.reston.ans.net!spool.mu.edu!agate!  
linus!progress!damelio@network.UCSD.EDU  
Subject: Real NoCodes  
To: info-hams@ucsd.edu

kd1hz@anomaly.sbs.com (Michael P. Deignan) writes:

>  
> Michael P. Deignan, KD1HZ  
> Domain: mpd@anomaly.sbs.com I'm not a bigot,  
> UUCP: ...!uunet!anomaly!mpd I hate everyone...  
> Telebit: +1 401 455 0347

Mikey, Mikey, Mikey....

Don't you know you just can't start pissing off people like this and then go mailing it out to the world!  
I'm not a ham, but the VP of my department is. And YES he does business with your company. Oops, used to.  
You may have to explain why your company lost our business.  
(actually it's one of our VAR's that is your customer)

Personally I don't care about "Real Hams". I've decided against pursuing a ticket. But you may be too young to realize the consequences of your Hitler youth attitude. Try to focus on things that are really important, like how your going to feed your family if your mouth lands you on the street!

---

Date: Mon, 1 Feb 1993 02:13:03 GMT  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!iat.holonet.net!  
bwilkins@network.UCSD.EDU  
Subject: Repeaters in San Diego area?  
To: info-hams@ucsd.edu

cbirn@sdcc13.ucsd.edu (\*\*Romulus\*\*) writes:

: Does anyone know of any repeaters for 2-meters in the San  
: Diego area? So far I'm just scanning, and I haven't had  
: much luck. Any help would be appreciated.  
: Chris  
: KD6OUM  
: cbirn@sdcc13.ucsd.edu  
:  
If I read the News correctly ..it seems most of the folks in your area are  
now talking on the 440 inputs of closed private repeaters in your area ;>

146.64 146.88 147.13 147.99 145.12 147.885 146.97 all should be active.

--  
Bob Wilkins n6fri voice 440.250+ 100pl san francisco bay area  
bwilkins@holonet.net packet n6fri @ w6pw.#nocal.ca.usa.na

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Date: 31 Jan 1993 15:40:26 -0600  
From: sun-barr!cs.utexas.edu!not-for-mail@ames.arpa  
Subject: Solar Panels: advice, sources  
To: info-hams@ucsd.edu

I need to get a Solar panel (or panels) to charge a car or marine battery which will in turn power a 100W HF rig for an average of less than 1 hr/day. (<30 hr/mo -- nothing else on circuit)

- a) The panel must be rugged and reliable as it will power a station in V31 (\*not\* on the keys).
- b) It must be relatively easy to ship.
- c) It must be under \$20.
- d) c) is a joke, but I don't have unlimited funds. I expect \$100< X <\$300.

Anyone have experience / advice / sources for the above?

Many thanks in advance...

Peter Laws|GENIE:P.LAWS1| "Finally: one of our guys is |plaws@uafhp.uark.edu  
n5uw@ka5bml.ar.usa.noam| driving the car"--Dennis Miller|plaws@uafsysb.bitnet

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Date: 1 Feb 93 01:54:32 GMT

From: swrinde!zaphod.mps.ohio-state.edu!moe.ksu.ksu.edu!cis.ksu.edu!  
mac@network.UCSD.EDU  
To: info-hams@ucsd.edu

References <1993Jan26.171544.8846@ke4zv.uucp>,  
<1993Jan28.235637.1@ttd.teradyne.com>, <C1pxCz.Cy2@acsu.buffalo.edu>  
Subject : Re: Ham Radio Causes Cancer!

oopdavid@ubvmsb.cc.buffalo.edu (D.RODMAN) writes:

someone wrote:

someone else wrote:

>>Wonder what the field is under an Electric Blanket ?

>This is about 60 mG as measured with my Integrity IER-109 meter. By  
>the way, it is in the neighborhood of 80-100 mG around the power supply  
>of my FT1000.

One difference, of course, is that one sleeps approximately 8 hours per night with an electric blanket right up against ones skin, whereas most power supplies are under (or at least on the back of) the operating bench and most hams don't sit on their power supplies 8 hours per day, much less even have them turned on that long.

--Myron.

--

# We preserve our freedoms using four boxes: soap, ballot, jury, and cartridge.  
# Myron A. Calhoun, PhD EE; Assoc. Professor (913) 539-4448 home  
# INTERNET: mac@cis.ksu.edu (129.130.10.5) 532-6350 work, 532-7353 fax  
# UUCP: ...rutgers!depot!mac Packet-BBS: W0PBV @ K0VAY.#NEKS.KS.USA.NAOM

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Date: 31 Jan 93 21:04:50 GMT  
From: swrinde!emory!gatech!darwin.sura.net!sgiblab!daver!dlb!zygot!ravel!  
duncan@network.UCSD.EDU  
To: info-hams@ucsd.edu

References <1993Jan26.152134.5792@newsgate.sps.mot.com>,  
<1993Jan28.011847.19085@adobe.com>, <1993Jan28.165537.28538@news.acns.nwu.edu>  
Reply-To : duncan@ravel.ati.com (Jim Duncan)  
Subject : Re: Ham Radio Causes Cancer!

In article <1993Jan28.165537.28538@news.acns.nwu.edu> lapin@casbah.acns.nwu.edu  
(Gregory Lapin) writes:

>

>We have to do everything we can to convince the public that there is no  
>basis to these claims, otherwise, we may be the next targets!

>

By the way, has any mention ever been made of the probably millions of people around the world that have had diathermy?? In my endless collection of junk I have a Raytheon diathermy machine downstairs that a doctor gave me when he changed from GP to surgical assisting. It has a magnetron (which has failed) just like a microwave oven plus a bunch of antenna gadgets for focusing the RF on stiff or injured muscle groups for a warming effect. The doctor had had many satisfied diathermy customers over the years.

Compared to the puny, insignificant .6 watt output on a handheld cellular phone, this diathermy machine is clearly a high powered ray gun. If cellular phones can cause brain tumors, then all those folks who have had diathermy must all be bizarre mutants by now! Diathermy patients would certainly be an interesting group to study at this point...

--

K-FOX	w	["]	WA6MBV
94.5  ...	__ _____.duncan@ravel.ati.com	Jim Duncan	
KUFX	H	408.297.5977	
*****	\____I_____/	37 3 10N/121 59 10W	*****

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End of Info-Hams Digest V93 #145

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